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10/606,392	06/25/2003	Eric R. Kern	RPS920030079US1	4794

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EXAMINER
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BRUCKART, BENJAMIN R

ART UNIT	PAPER NUMBER
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2155

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/11/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/606,392	KERN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Benjamin R. Bruckart	2155	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>20030625</u> .  | 6) <input type="checkbox"/> Other: _____                          |

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### **Detailed Action**

Claims 1-35 are pending in this Office Action.

### **Information Disclosure Statement**

The information disclosure statement filed on 6-25-03 has been considered.

### ***Claim Objections***

Claims 9 and 19 are objected to because of the following informalities: The listed claims utilize character letting in parenthesis such as “(a)” “(a1)” and “(a1i)” in the claims. Such lettering in parenthesis is unnecessary and leads to errors such as skipping logical identifiers such as (a1iii) in claims 9 and 19. The examiner requests deletion of such labels or correction of the missed label. Appropriate correction is required.

### **Claim Rejections - 35 USC § 102**

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**Claims 1-11, 22-24, 26-28, 35 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Publication No. 2004/0181601 by Sakthikumar (herein after referred to as “Sakt”).**

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Regarding claim 1, a method for providing simultaneous access between at least one drive and a plurality of blade servers (Sakt: page 1-2, para 20, 30), comprising the steps of:

(a) configuring the plurality of blade servers to simultaneously connect with the at least one drive (Sakt: page 2, para 31, 33-34; page 3, para 36), wherein the plurality of blade servers is managed by a management system, wherein the at least one drive is coupled to the management system (Sakt: Fig. 1); and

(b) managing shared access to the at least one drive for the plurality of blade servers by the management system (Sakt: Page 2, para 31, 33).

Regarding claim 2, the method of claim 1, wherein the configuring step (a) comprises:

(a1) sending a command from the management system to a microprocessor at each of the plurality of blade servers to present the at least one drive (Sakt: Fig. 7); and

(a2) configuring an interface at each of the plurality of blade servers to connect with the at least one drive in response to the command (Sakt: page 2, para 28, 35).

Regarding claim 3, the method of claim 2, wherein the microprocessor comprises a digital signal processor and a device chip (Sakt: page 2, para 22-25; processor and controllers).

Regarding claim 4, the method of claim 3, wherein the device chip is a universal serial bus device chip (Sakt: page 2, para 25-26).

Regarding claim 5, the method of claim 2, wherein the microprocessor routes data packets between its corresponding blade server and the management system (Sakt: page 2, para 22-26).

Regarding claim 6, the method of claim 2, wherein the management system routes data packets between the at least one drive and the plurality of blade servers (Sakt: page 2, para 29, 33).

Regarding claim 7, the method of claim 2, wherein the sending step (a1) comprises:

(a1i) sending a command from a management module at the management system to the microprocessor on each of the plurality of blade servers to present at least one local drive,

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wherein the at least one local drive is coupled to the management system (Sakt: page 2, para 19, 28, 33-35);

(a1ii) configuring a device chip on each of the plurality of blade servers by the corresponding microprocessor on each of the plurality of blade servers to present an interface for the at least one local drive (Sakt: page 2, para 33-35; Fig. 7); and

(a1iii) informing a host controller on each of the plurality of blade servers by the corresponding device chip on each of the plurality of blade servers that the at least one local drive is connected (Sakt: page 2, para 33-35; Fig 7).

Regarding claim 8, the method of claim 7, wherein the managing step (b) comprises: (b1) managing the shared access to the at least one local drive for the plurality of blade servers by the management module (Sakt: page 2, para 33).

Regarding claim 9, the method of claim 2, wherein the sending step (a1) comprises:

(a1i) sending a request to a management module at the management system to connect at least one remote drive to the plurality of blade servers, wherein the at least one remote drive is coupled to the management system through a network (Sakt: Fig. 7);

(a1ii) establishing a connection to the microprocessor on each of the plurality of blade servers through the management module (Sakt: page 2, para 33);

(a1iv) configuring a device chip on each of the plurality of blade servers by the corresponding microprocessor on each of the plurality of blade servers to present an interface for the at least one remote drive (Sakt: page 2, para 28, 35); and

(a1v) informing a host controller on each of the plurality of blade servers by the corresponding device chip on each of the plurality of blade servers that the at least one remote drive is connected (Sakt: page 2, para 33-35; Fig 7).

Regarding claim 10, the method of claim 9, wherein the managing step (b) comprises: (b1) managing the shared access to the at least one remote drive for the plurality of blade servers by the management module (Sakt: page 2, para 33).

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Regarding claim 22, a system, comprising:

a management system (Sakt: Fig. 1);

at least one drive connected to the management system (Sakt: page 1-2, para 20, 30; Fig. 1); and

a plurality of blade servers managed by the management system (Sakt: Page 2, para 31, 33), wherein the plurality of blade servers are configured to simultaneously connect with the at least one drive (Sakt: page 2, para 31, 33-34; page 3, para 36), wherein the management system manages shared access to the at least one drive for the plurality of blade servers (Sakt: Page 2, para 31, 33).

Regarding claim 23, the system of claim 22, wherein the management system comprises a management module for routing data packets between the least one drive and the plurality of blade servers (Sakt: page 2, para 30-35).

Regarding claim 24, the system of claim 22, wherein the at least one drive comprises at least one local drive connected to the management system (Sakt: page 2, para 19, 28, 33-35).

Regarding claim 26, the system of claim 22, wherein each of the plurality of blade servers comprises a microprocessor for configuring an interface to connect with the at least one drive (Sakt: page 2, para 33-35; Fig. 7).

Regarding claim 27, the system of claim 26, wherein the microprocessor comprises: a device chip; and a digital signal processor for configuring the interface at the device chip to connect with the at least one drive (Sakt: page 2, para 22-25; processor and controllers).

Regarding claim 28, the system of claim 26, wherein each of the plurality of blade servers further comprises a host controller (Sakt: page 2, para 25-26).

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Regarding claim 35, a computer readable medium with program instructions for providing simultaneous access between at least one drive and a plurality of blade servers (Sakt: page 1-2, para 20, 30), comprising the instructions for:

(a) configuring the plurality of blade servers to simultaneously connect with the at least one drive (Sakt: page 2, para 31, 33-34; page 3, para 36), wherein the plurality of blade servers is managed by a management system, wherein the at least one drive is coupled to the management system (Sakt: Fig. 1); and

(b) managing shared access to the at least one drive for the plurality of blade servers by the management system (Sakt: Page 2, para 31, 33).

### **Claim Rejections - 35 USC § 103**

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 12-21, 29-34 are rejected under 35 U.S.C. 103(a) as being unpatentable by U.S. Patent No. 6,334,148 by Sandstrom (Applicant IDS) in view of U.S. Patent Publication No. 2004/0181601 by Sakthikumar (herein after referred to as "Sakt").**

Regarding claim 11, the Sandstrom reference teaches a method for providing simultaneous connection between a plurality of drives and at least one server (Sandstrom: col. 8, lines 38-52), comprising the steps of:

(a) configuring the at least one server to simultaneously connect with the plurality of drives (Sandstrom: col. 8, lines 38-52), wherein the at least one blade server is managed by a management system, wherein the plurality of drives is coupled to the management system (Sandstrom: col. 8, lines 38-54); and

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(b) managing shared access to the at least one blade server for the plurality of drives by the management system (Sandstorm: col. 10, lines 52-60).

The Sandstorm reference fails to teach blade servers.

However, the Sakt reference teaches a blade server with shared access on a plurality of devices (Sakt: page 2, para 20, 33) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 12, the Sandstrom reference teaches the method of claim 11.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the configuring step (a) comprises:

(a1) sending a command from the management system to a microprocessor on the at least one blade server to present the plurality of drives (Sakt: Fig. 7); and

(a2) configuring a plurality of interfaces at the at least one blade server to connect with the plurality of drives in response to the command (Sakt: page 2, para 28, 35) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 13, the Sandstrom reference teaches the method of claim 12.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the microprocessor comprises a digital signal processor and a device chip (Sakt: page 2, para 22-25; processor and controllers) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).



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It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 14, the Sandstrom reference teaches the method of claim 13.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the device chip is a universal serial bus device chip (Sakt: page 2, para 25-26) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 15 the Sandstrom reference teaches the method of claim 12.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the microprocessor routes data packets between the at least one blade server and the management system (Sakt: page 2, para 22-26) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 16, the Sandstrom reference teaches the method of claim 12.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the management system routes data packets between the plurality of drives and the at least one blade server (Sakt: page 2, para 29, 33) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

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It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 17, the Sandstrom reference teaches the method of claim 12.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the sending step (a1) comprises:

(a1i) sending a command from a management module at the management system to the microprocessor on the at least one blade server to present a plurality of local drives, wherein the plurality of local drives is coupled to the management system (Sakt: page 2, para 19, 28, 33-35);

(a1ii) configuring a device chip on the at least one blade server by the microprocessor to present the plurality of interfaces for the plurality of local drives (Sakt: page 2, para 33-35; Fig. 7); and

(a1iii) informing a host controller on the at least one blade server by the device chip that the plurality of local drives is connected (Sakt: page 2, para 33-35; Fig 7) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 18, the Sandstrom reference teaches the method of claim 17.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the managing step (b) comprises:

(b1) managing the shared access to the at least one blade server for the plurality of drives by the management module (Sakt: page 2, para 33) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include

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blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 19, the Sandstrom reference teaches the method of claim 12.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the sending step (a1) comprises:

(a1i) sending a request to a management module at the management system to connect a plurality of remote drives to the at least one blade server, wherein the plurality of remote drives is coupled to the management system through a network (Sakt: Fig. 7);

(a1ii) establishing a connection to the microprocessor on the at least one blade server through the management module (Sakt: page 2, para 33);

(a1iv) configuring a device chip on the at least one blade server by the microprocessor to present a plurality of interfaces for the plurality of remote drives (Sakt: page 2, para 28, 35); and

(a1v) informing a host controller on the at least one blade server by the device chip that the plurality of remote drives is connected (Sakt: page 2, para 33-35; Fig 7) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 20, the Sandstrom reference teaches the method of claim 19.

The Sandstrom reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the managing step (b) comprises:

(b1) managing the shared access to the at least one blade server for the plurality of remote drives by the management module (Sakt: page 2, para 33) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include

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blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 21, the Sandstrom reference teaches the method of claim 11, wherein the configuring step (a) comprises:

(a1) sending a command from the management system to a microprocessor on the at least one blade server to present at least one remote drive.

The Sandstrom reference does not state a local and remote drive.

However, the Sakt reference teaches sending a command from the management system to a microprocessor on the at least one blade server to present at least one local drive (Sakt: Fig. 6A, Fig. 7); and

(a2) configuring an interface for the at least one local drive to connect with the at least one local drive, and configuring an interface for the at least one remote drive at the at least one blade server to connect with the at least one remote drive in response to the command (Sakt: page 2, para 28, 35) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 29, the Sandstrom reference teaches a system (Sandstrom: Fig. 1), comprising:

a management system (Sandstrom: col. 8, lines 38-52);

a plurality of drives connected to the management system (Sandstrom: col. 8, lines 38-54); and

at least one server managed by the management system, wherein the at least one server is configured to simultaneously connect with the plurality of drives (Sandstrom: col. 8, lines 38-52), wherein the management system manages shared access to the at least one blade server for the plurality of drives (Sandstrom: col. 10, lines 52-60).

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The Sandstorm reference fails to teach blade servers.

However, the Sakt reference teaches a blade server with shared access on a plurality of devices (Sakt: page 2, para 20, 33) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 30, the Sandstrom reference teaches the system of claim 29, wherein the management system comprises a management module for routing data packets between the plurality of drives and the at least one server (Sandstrom: col. 8, lines 38-54).

The Sandstorm reference fails to teach blade servers.

However, the Sakt reference teaches a blade server with shared access on a plurality of devices (Sakt: page 2, para 20, 33) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 31, the Sandstrom reference teaches the system of claim 29, wherein the plurality of drives comprises at least one local drive connected to the management system and/or at least one remote drive connected to the management system through a network (Sandstrom: col. 1 lines 1-10).

Regarding claim 32, the Sandstrom reference teaches the system of claim 29.

The Sandstorm reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the at least one blade server comprises a microprocessor for configuring a plurality of interfaces to connect with the plurality of drives

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(Sakt: page 2, para 33-35; Fig. 7) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 33, the Sandstrom reference teaches the system of claim 32 .

The Sandstorm reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the microprocessor comprises: a device chip; and a digital signal processor for configuring the plurality of interfaces at the device chip to connect with the plurality of drives (Sakt: page 2, para 22-25; processor and controllers) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

Regarding claim 34, the Sandstrom reference teaches the system of claim 32 .

The Sandstorm reference fails to teach blade servers.

However, the Sakt reference teaches, wherein the at least one blade server further comprises a host controller (Sakt: page 2, para 25-26) in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the method of providing simultaneous connections as taught by Sandstrom to include blade servers as taught by Sakt in order to improve upon inefficient sharing of one or more devices (Sakt: page 1, para 1).

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**Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable by U.S. Patent Publication No. 2004/0181601 by Sakthikumar (herein after referred to as "Sakt") in view of U.S. Patent No. 6,334,148 by Sandstrom (Applicant IDS).**

Regarding claim 25, the Sakt reference teaches the system of claim 22.

The Sakt reference fails to teach remote drives.

However, the Sandstrom reference teaches, wherein the at least one drive comprises at least one remote drive connected to the management system through a network (Sandstrom: col. 2, lines 1-10) in order to share access to information from any device drive (Sandstrom: col. 1, lines 10-16).

It would have been obvious at the time of the invention to one of ordinary skill in the art to create the system as taught by Sakt to include remote drives as taught by Sandstrom in order to share access to information from any device drive (Sandstrom: col. 1, lines 10-16).

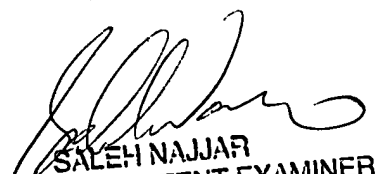
### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin R Bruckart whose telephone number 571-272-3982.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and after final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the examiner whose telephone number is 571-272-3982.

Benjamin R Bruckart  
Examiner  
Art Unit 2155



SALEH NAJJAR  
SUPERVISORY PATENT EXAMINER